

# INFLUENZA

Influenza is an acute respiratory disease caused by influenza type A or B viruses. Typical features of influenza include abrupt onset of fever, respiratory symptoms such as, cough, sore throat, coryza, and systemic symptoms such as headache, muscle aches, and fatigue.

## Laboratory Criteria for Confirmation:

- Virus isolation

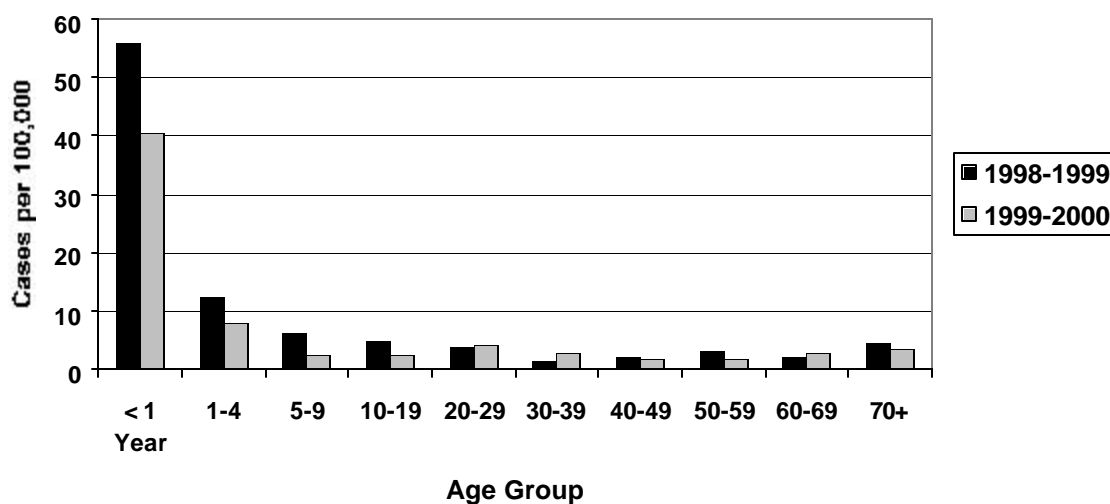
## Statistics on Confirmed Cases for 1998-1999 and 1999-2000 Seasons

Influenza season surveillance begins in October of one year and continues until April of the following year.

( Includes data through 03/22/00 for the 1999-2000 season, additional cases may still be added to database)

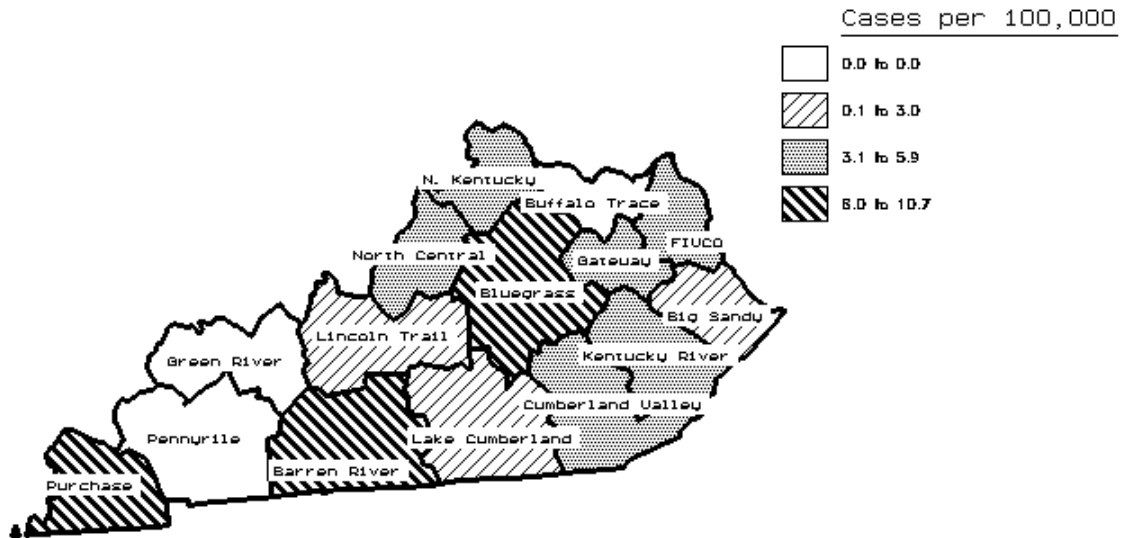
Time Period	1998-1999	1999-2000
Number of Cases	183	141
Rate per 100,000	4.6	3.6

## Influenza, Age-Specific Incidence, Kentucky 1998-1999 and 1999-2000



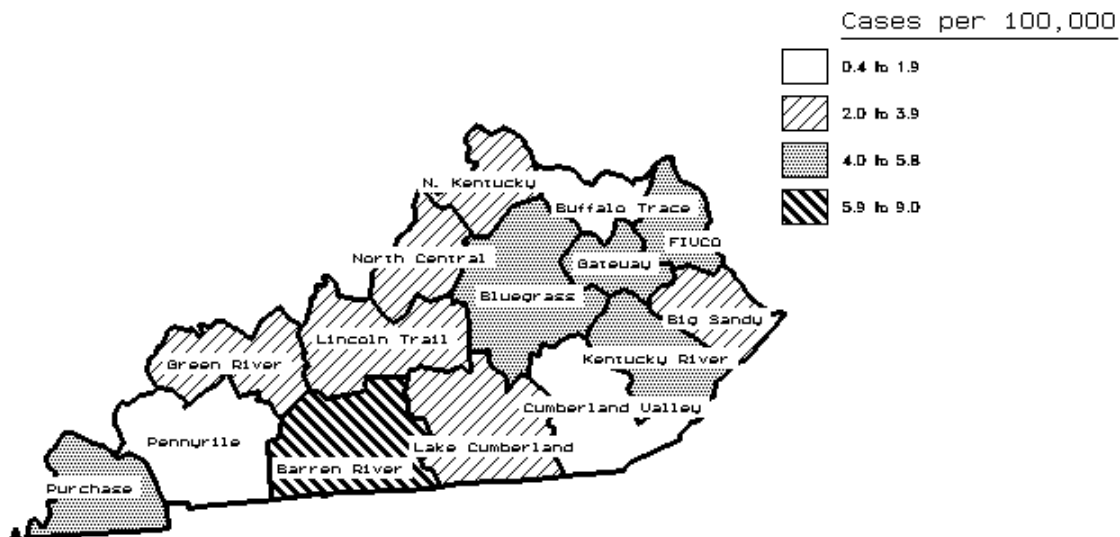
These rates may reflect the availability of specimen collection in certain age groups (e.g. < 1 year) that are more frequently presented for health care.

## Influenza Incidence by District, Kentucky 1998-1999 Influenza Season



In the 1998-1999 influenza season the Barren River District reported the highest incidence, 10.7 cases per 100,000, followed by the Purchase District, 7.3 cases per 100,000, and the Bluegrass District, 6.9 cases per 100,000.

## Influenza Incidence by District, Kentucky 1999-2000 Influenza Season



In the 1999-2000 season the Barren River District again reported the highest incidence with 9.0 cases per 100,000, followed by the Bluegrass District with a rate of 5.8 cases per 100,000.

Kentucky influenza surveillance begins in October of each year and continues until May of the following year. A network of sentinel physicians and local health departments participate in weekly influenza surveillance. Information is obtained from nursing homes, schools, physician offices, and hospitals. Influenza isolate collection kits are available from the Kentucky Department for Public Health, Division of Laboratory Services and all health care providers are encouraged to submit samples.

The following are statistics on influenza isolates submitted to the Kentucky Department for Public Health's Division of Laboratory Services. They do not include summary data on influenza- like illness submitted by the sentinel surveillance system.

<b>Influenza Season</b>	<b>Number of counties reporting</b>	<b>Positive Influenza</b>	<b>Negative Influenza</b>	<b>Total Samples</b>	<b>Non-Influenza Isolates</b>
<b>1996-1997</b>	<b>16</b>	<b>22</b>	<b>41</b>	<b>41</b>	
<b>1997-1998</b>	<b>14</b>	<b>44</b>	<b>42</b>	<b>89</b>	<b>3</b>
<b>1998-1999</b>	<b>17</b>	<b>65</b>	<b>62</b>	<b>131</b>	<b>4</b>
<b>1999-2000*</b>	<b>37</b>	<b>77</b>	<b>95</b>	<b>174</b>	<b>2</b>

\*Includes data collected through 03/02/2000